

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of:

Zhang *et al.*

Appl. No. 09/849,537

Filed: May 7, 2001

For: **Die-Up Ball Grid Array Package  
With A Heat Spreader and  
Method for Making the Same**

Confirmation No.: 7984

Art Unit: 2822

Examiner: Monica Lewis

Atty. Docket: 1875.0370000

TECHNOLOGY CENTER 2800

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**Letter to PTO Draftsman: Submission of Formal Drawings**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Submitted herewith are 7 sheets of formal drawings with Figures 1-14, corresponding to the informal drawings submitted with the above-captioned application. Identification of the drawings is provided in accordance with 37 C.F.R. § 1.84(c). Acknowledgment of the receipt, approval, and entry of these formal drawings into this application is respectfully requested.

It is not believed that an extension of time is required, other than any already provided herewith. However, if an extension of time is needed to prevent abandonment of the application, then such extension of time is hereby petitioned. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

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Date: 6-27-02

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FIG. 1

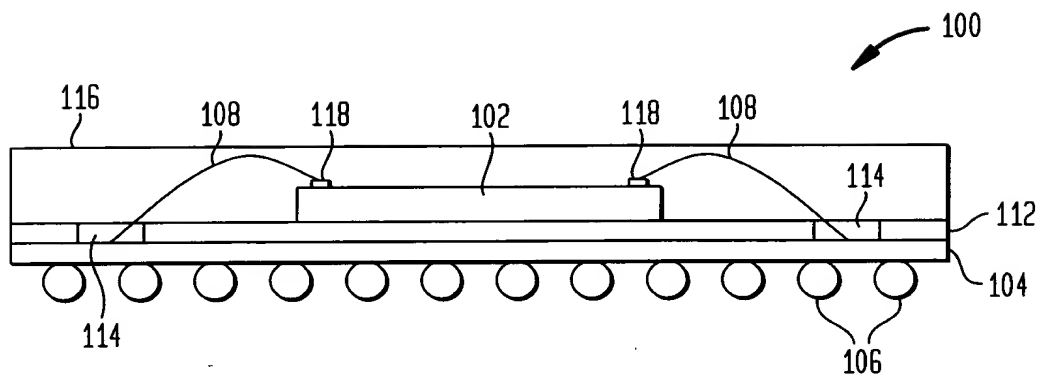
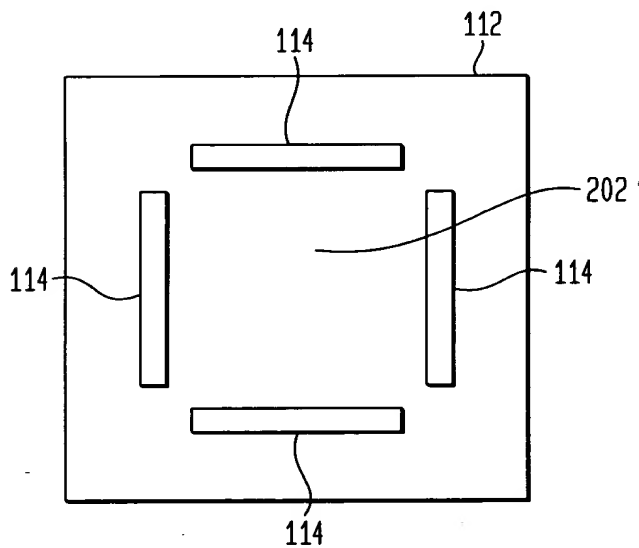


FIG. 2



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FIG. 3

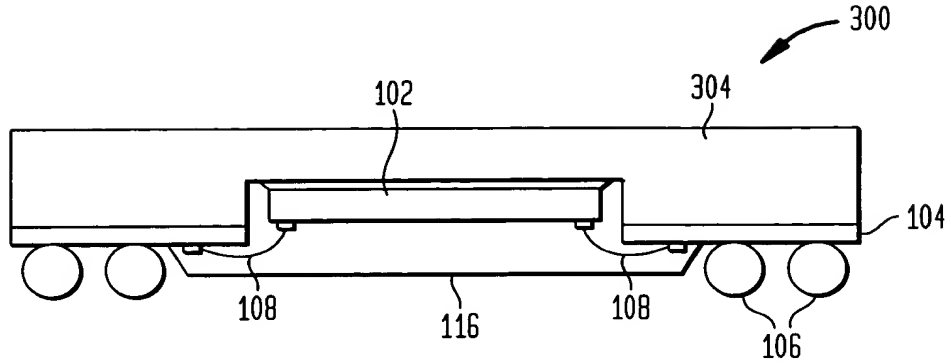
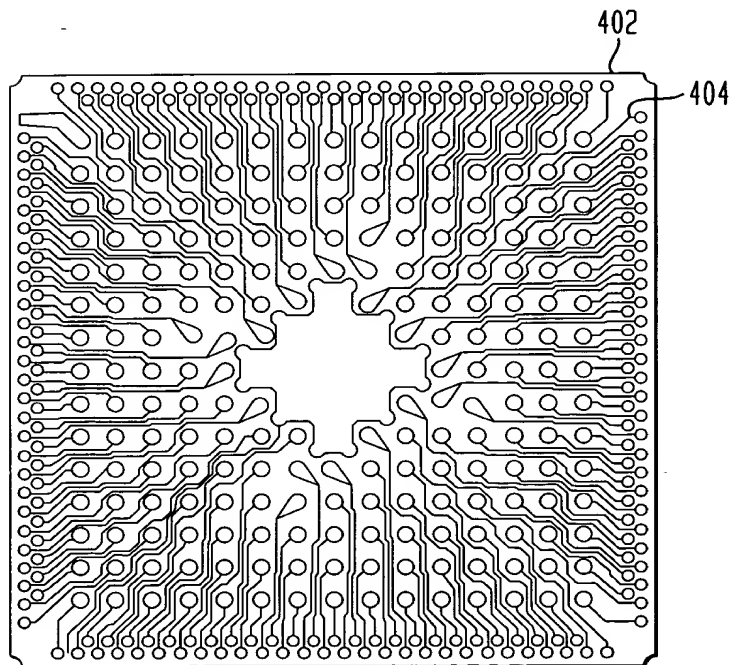


FIG. 4



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FIG. 5

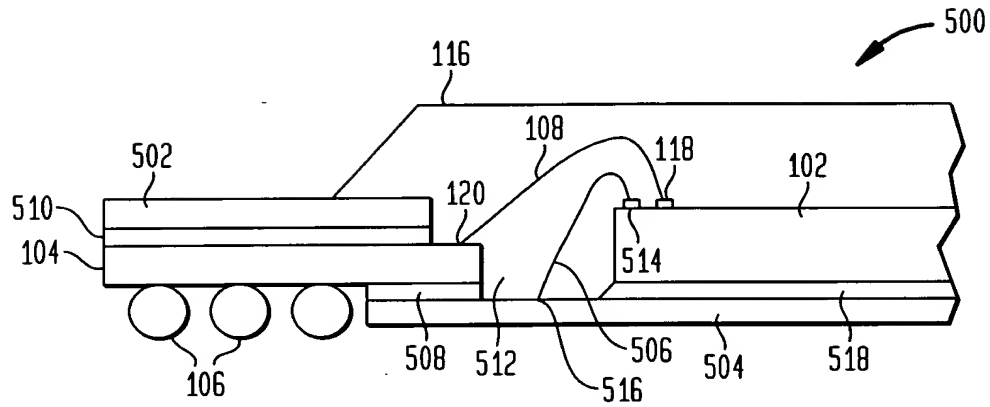
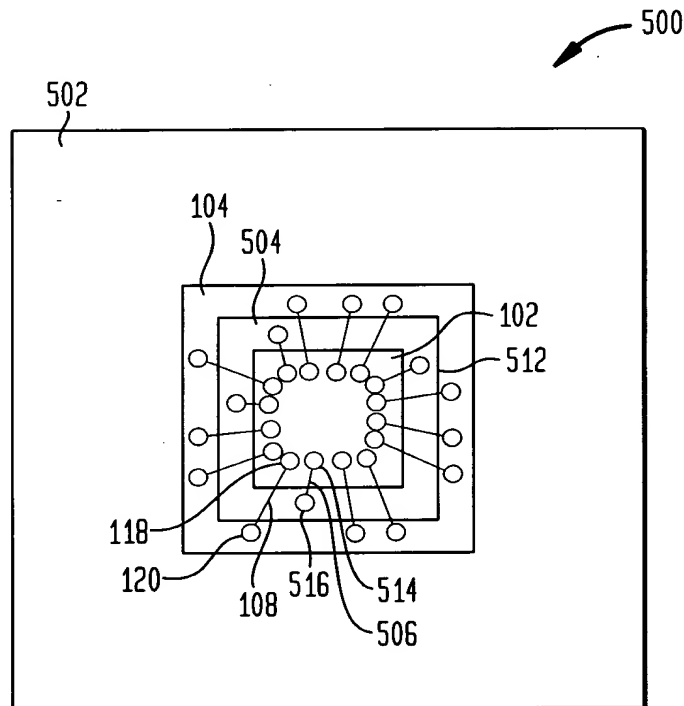


FIG. 6



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FIG. 7

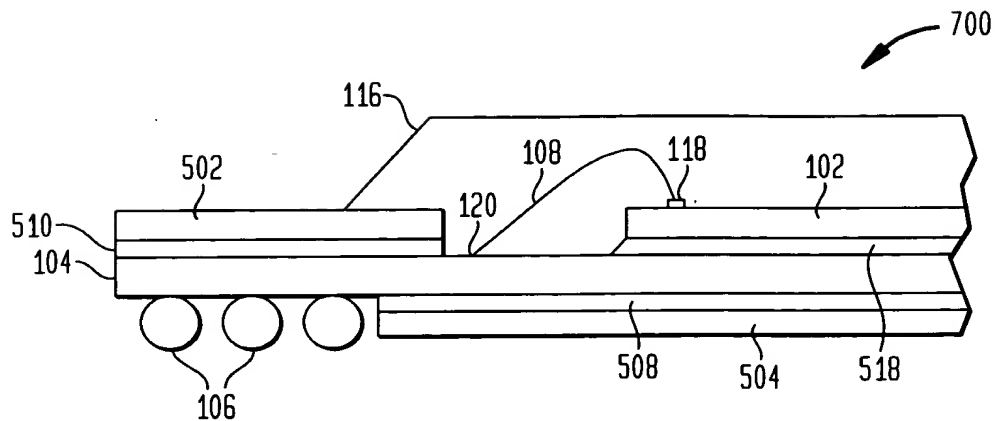
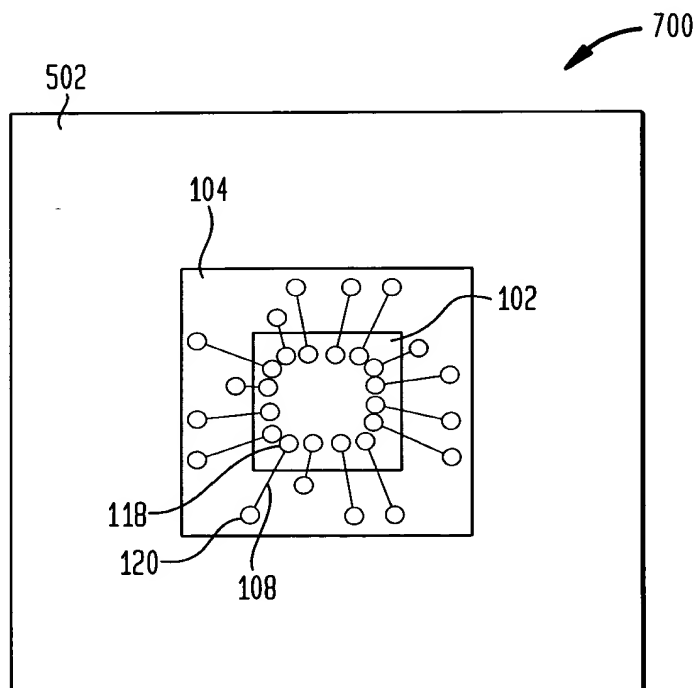


FIG. 8



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FIG. 9

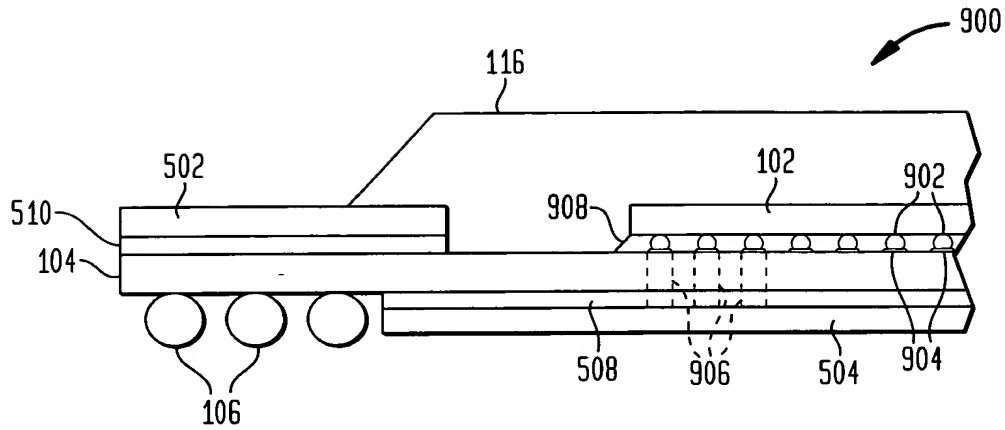
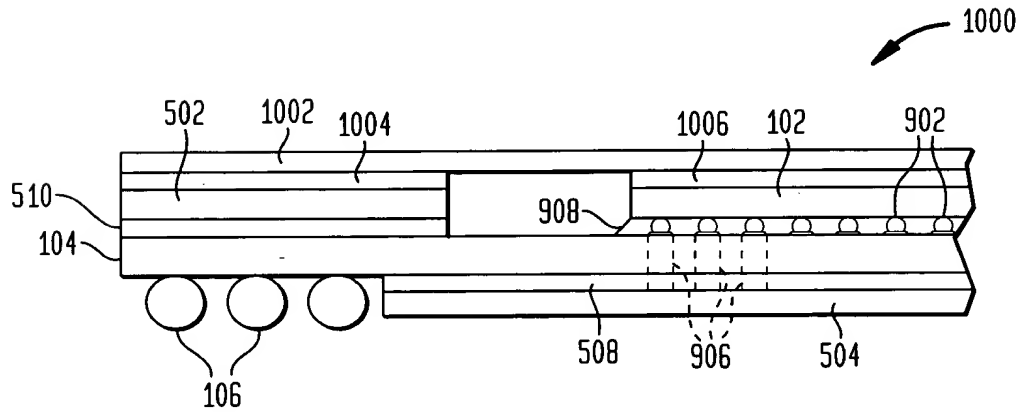
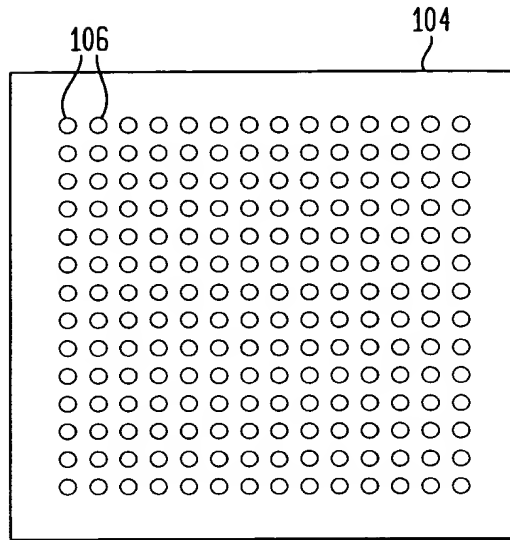


FIG. 10

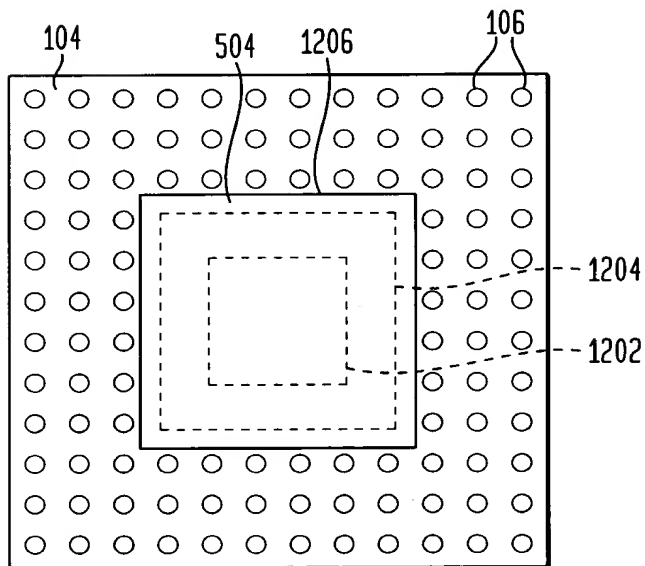


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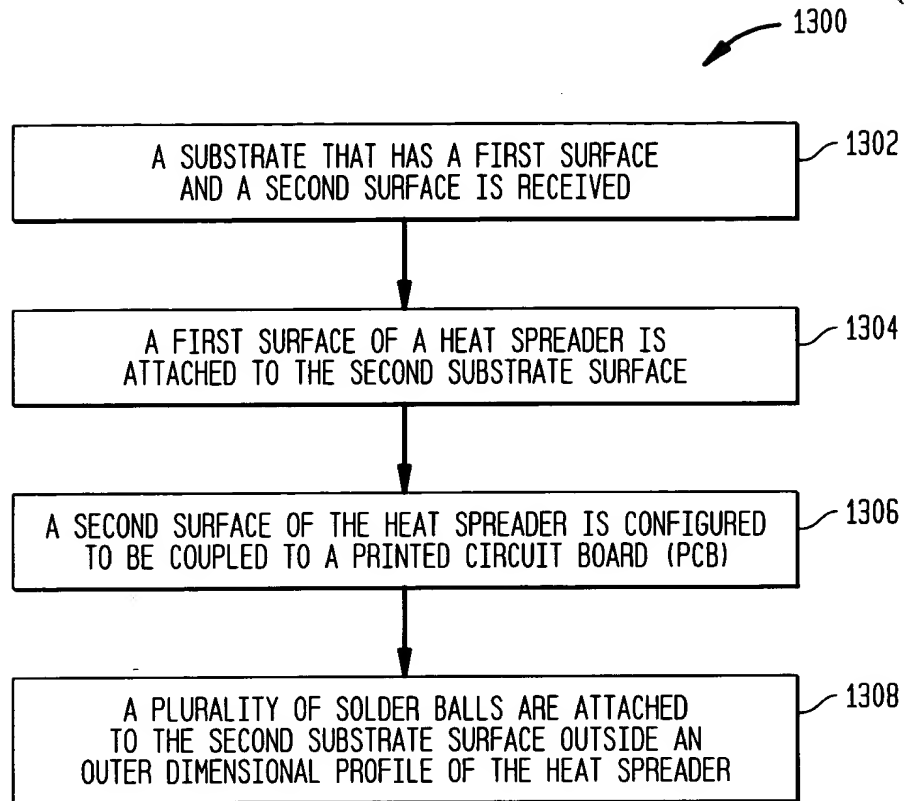
**FIG. 11**



**FIG. 12**



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**FIG. 13****FIG. 14**